

Amendments to the Claims:

1. (Currently Amended) A method of proliferating eukaryotic NSO cells, comprising the step of introducing synthetic low density lipoprotein (sLDL) particles to a an NSO cell culture and allowing NSO cells in the culture to proliferate, wherein the NSO cell culture lacks foetal calf serum (FCS).

2. (Currently Amended) The method according to claim 1 wherein the sLDL particles are peptide free and ~~enable at least a~~ wherein culturing NSO cells in the presence of the peptide-free sLDL particles increases NSO cell proliferation by at least 20% increase in cell number to occur in comparison relative to NSO cells grown cultured in the absence of the sLDL particles and in the presence of foetal calf serum (FCS) or other serum-free lipid supplements.

3. (Currently Amended) The method according to claim 1 wherein the sLDL particles comprise a peptide and ~~enable at least a~~ wherein culturing NSO cells in the presence of the sLDL particles comprising a peptide increases NSO cell proliferation by at least 50% increase in cell number to occur in comparison relative to NSO cells grown cultured in the absence of the sLDL particles comprising said peptide and in the presence of foetal calf serum (FCS) or other serum-free lipid supplements.

4 – 10. (Canceled)

11. (Previously Presented) The method according to claim 1, wherein the sLDL particles comprise cholesterol and/or cholesterol ester, and wherein a total concentration of the cholesterol and cholesterol ester is greater than 0.009 mg/ml of a culture medium.

12. (Previously Presented) The method according to claim 11, wherein the total concentration of the cholesterol is greater than 0.018 mg/ml of the culture medium.

13 – 14. (Canceled)